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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/816,584	03/30/2004	Nicholas Nam	004320.P062	8415

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COOLEY GODWARD KRONISH LLP
ATTN: PATENT GROUP SUITE 500
1200 - 19TH STREET, NW
WASHINGTON, DC 20036-2402

EXAMINER

TRINH, TAN H

ART UNIT	PAPER NUMBER
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2618

MAIL DATE	DELIVERY MODE
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09/26/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/816,584

Applicant(s)

NAM, NICHOLAS

Examiner

TAN TRINH

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 July 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 11-25 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 11-25 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 10 March 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 07-23-2007 has been entered.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 14, 20 and 24 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. It is not clear if the phrase "external device is a television and the interface converts video signals received from (or by) the television". However, the specification on Pub. page 2 at paragraph [0023] states that the display 120 is a television or a monitor, receive signal from the interface 102 for display. Therefore, the term "video signals received from the television" in claims 14, 20 and 24 should be change to "external device is a television and the interface converts video signals transfer (transmit) to the television" in order to obtain consistency. Since the well known in the art, the TV and monitor is received the signal Only from the output device to TV or monitor, the TV is a receiver and is not a transmitter.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 11-13, 15-19, 21-23 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Manowitz (U.S. Pub. No. 2004/0090541) in view of Adair (U.S. Pub. No. 2002/0089589).

Regarding claims 11 and 19, Manowitz teaches a mobile device (104) (see fig. 1-2), comprising: a processing unit (202); a local memory (210 or 214) of the mobile device (104) coupled to the processing unit (202) (see fig. 1-2, page 1-2, sections [0014-0021]), the local memory (210 or 214) configured to store image signals for display (page 1-2, sections [0015 and 0021]); an interface (220) to format and route signals between the mobile device (104) and an external device (102, 106 and 110) coupled to the mobile device (104) (see fig. 2, the interface (220) is an image enhancement process, provide software routines as well as routines for compression, decompression, and formatting of data, for example, digital image enhancement process 220 includes routines for processing JPEG, MPEG, TIOE, GIF, and other image formats, see on page 2, sections [0019-0021 and 0023-0024]), the interface (220) configured to perform format conversion between image signal formats used within the mobile device and at least one different image signal format utilized by the external device (102, 106 and 110) (see fig. 2, the interface (220) is an image enhancement process, provide software routines as well as routines for compression, decompression, and formatting of data, for example, digital image enhancement

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process 220 includes routines for processing JPEG, MPEG, TIOE, GIF, and other image formats, see on page 2, sections [0019-0021 and 0023-0024]); and the interface (204, 206 and 220) being operative to convert the format of image signals received from the external device (106 and 110) into a format compatible for use by the mobile device (104) (see fig. 1-2, page 2, sections [0017, 0021-0025]). In this case, the mobile device (104) is receiving the digital image from digital image device 106 or camera or video camera 110 then processed using various image processing routines (for processing JPEG, MPEG, TIOE, GIF, and other image formats), and mobile device 104 (image processing device) stores digital image data on a storage device (214) associated with image processing device 104, and the image processing device 104 with interface 220 converts the digital image data onto television signals compatible with television receiver 102 such as NTSC, PAL, or DTV formats. But Manowitz does not mention the mobile device (104) comprise a native display.

However, Adair teaches the mobile device (22) comprise native display (29 or 30) (see figs. 2 and 4, page 4, section [0042]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify above teaching of Manowitz with Adair, in order to provide display various functions of the mobile device as controlled by a user (see suggested by Adair on page 4, section [0042]).

Regarding claim 23, Manowitz teaches a mobile device (104) (see fig. 1-2), comprising: a processing unit (202); a local memory (210 or 214) of the mobile device (104) coupled to the processing unit (202) (see fig. 1-2, page 1-2, sections [0014-0021]), the local memory (210 or

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214) configured to store image signals for display (page 1-2, sections [0015 and 0021]); an interface (220) to format and route signals between the mobile device (104) and an external device (102, 106 and 110) coupled to the mobile device (104) (see fig. 2, the interface (220) is an image enhancement process, provide software routines as well as routines for compression, decompression, and formatting of data, for example, digital image enhancement process 220 includes routines for processing JPEG, MPEG, TIOE, GIF, and other image formats, see on page 2, sections [0019-0021 and 0023-0024]), the interface (220) configured to perform format conversion between image signal formats used within the mobile device and at least one different image signal format utilized by the external device (102, 106 and 110) (see fig. 2, the interface (220) is an image enhancement process, provide software routines as well as routines for compression, decompression, and formatting of data, for example, digital image enhancement process 220 includes routines for processing JPEG, MPEG, TIOE, GIF, and other image formats, see on page 2, sections [0019-0021 and 0023-0024]); and the interface (204, 206 and 220) being operative to convert the format of image signals received from the external device (106 and 110) into a format compatible for use by the mobile device (104) (see fig. 1-2, page 2, sections [0017, 0021-0025]). In this case, the mobile device (104) is receiving the digital image from digital image device 106 or camera or video camera 110 then processed using various image processing routines (for processing JPEG, MPEG, TIOE, GIF, and other image formats), and mobile device 104 (image processing device) stores digital image data on a storage device (214) associated with image processing device 104, and the image processing device 104 with interface 220 converts the digital image data onto television signals compatible with television receiver 102 such as NTSC, PAL, or DTV formats. Manowitz also teaches a base band processor 9202) coupled with

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input/out interface (204), wireless interface (208) and Television interface (212) for receive and transmit data (see fig. 6, and page 2, section [0024]). But Manowitz does not mention the mobile device (104) comprise a native display and transceiver.

However, Adair teaches the mobile device (22) comprise native display (29 or 30) and transceiver (70 and 84) (see figs. 2, 4 and fig. 6 and 8, page 4, section [0042] and page 5-6, sections [0049-0050] and page 7, sections [0055-0056]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify above teaching of Manowitz with Adair, in order to provide display various functions of the mobile device as controlled by a user and also provide user to transmission of the video to other party of the telephone call (see suggested by Adair on page 4, section [0042] and page 7, section [0055]).

Regarding claim 12, Manowitz teaches where the at least one external device (102, 106 and 110) is selected from a group including a television (102), a video cassette recorder (VCR) (video camera 106), (see fig. 1, page 2, sections [0021 and 0025]).

Regarding claims 13, 21 and 25, Manowitz teaches wherein the external device (106 and 110) is a video recording unit (Digital image device, digital camera or video camera), and the interface (digital interface 206 and 220) converts video signals stored by the video recording unit into a format compatible for local storage (214) and display (see fig. 1-2, page 2, sections [0017, 0021-0025]). In this case, the mobile device (104) is receiving the digital image from digital image device 106 or camera or video camera 110 then processed using various image processing

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routines (for processing JPEG, MPEG, TIOE, GIF, and other image formats), and mobile device 104 (image processing device) stores digital image data on a storage device (214) associated with image processing device 104, and the image processing device 104 with interface 220 converts the digital image data onto television signals compatible with television receiver 102 such as NTSC, PAL, or DTV formats and display. But Manowitz does not mention the converts the digital image data and display in the mobile device. However, Adair teaches the mobile device (22) comprise native display (29 and 30) (see fig. 2, page 4, section [0042] and page 5-6, sections [0047 and 0049-0051]). In this case, the mobile device (22) receive the incoming video which is received via handset antenna 35 (see section [0050]) and process format with digital processor 72 and then sent to the monitor 30 for display in the mobile device on display 30). So the combination of Manowitz and Adair is teaching the limitation of the claim.

Regarding claims 15 and 22, Adair teaches wherein the mobile device (22) includes a transceiver (70) and a baseband processing unit (72) coupled to the processing unit to provide wireless communication and the mobile device (22) is configured to permit video signals received from the external device (10) to be transmitted from the mobile device (22) (see fig. 6 and 8 and 8A, page 5-6, section [0049-0053] and page 7, section 0054-0057]). In this case, the video signals received from the external device can be the camera module 10 or the incoming video which is received via handset antenna 35.

Regarding claim 16, Adair teaches further comprising a camera native to the mobile device (see fig. 3, camera 10 can be camera native (10) to the mobile device (22), page 4, section [0042]).

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Regarding claim 17, Manowitz teaches wherein the interface (220) is configured to convert the format of video signals output from the mobile device (104) into the image signal format of the external device (102) (see fig. 1-2, page 2, sections [0017, 0021-0025]).

Regarding claim 18, Adair teaches wherein the interface (34), is coupled to the display (30) and to the processing unit (72) (see fig. 6, interface 34 for video switch is coupled to the display (30) and to the processing unit (72)).

Conclusion

6. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(571) 273-8300, (for Technology Center 2600 only)

Hand-delivered responses should be brought to the Customer Service Window (now located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan Trinh whose telephone number is (571) 272-7888. The examiner can normally be reached on Monday-Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiners supervisor, Anderson, Matthew D., can be reached at (571) 272-4177.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

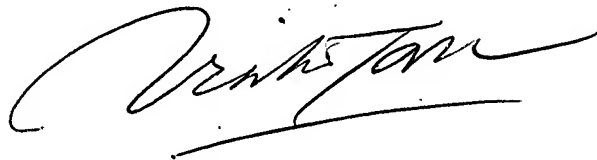
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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the **Technology Center 2600 Customer Service Office** whose telephone number is **(703) 306-0377**.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tan H. Trinh
Division 2618
September 18, 2007

PATENT EXAMINER
TRINH, TAN

A handwritten signature in black ink, appearing to read 'Tan H. Trinh', written over a horizontal line.